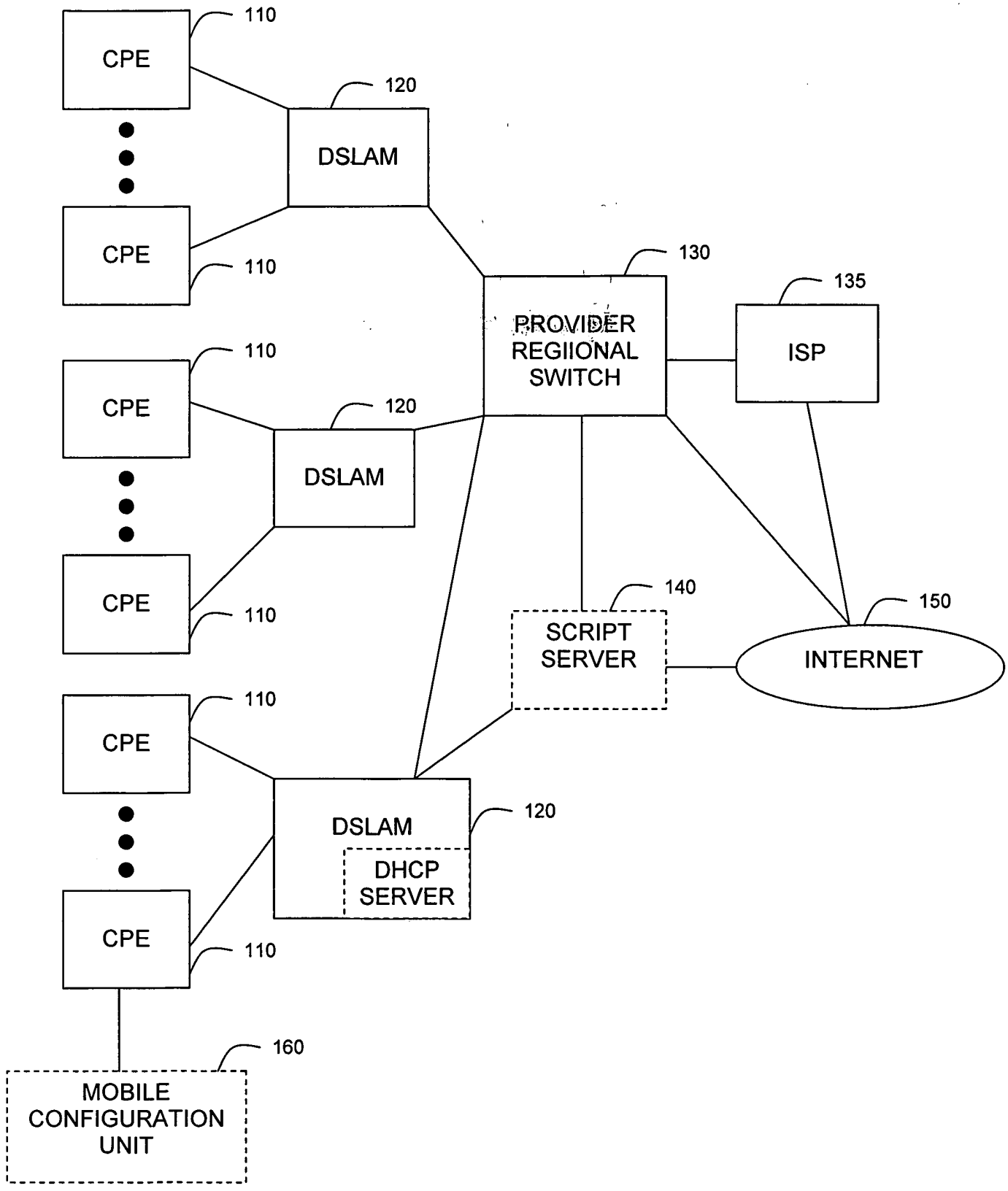

CPE
110
120
DSLAM
CPE
110
130
135
PROVIDER
REGIIONAL
SWITCH
ISP
CPE
110
120
DSLAM
CPE
110
140
150
SCRIPT
SERVER
INTERNET
CPE
110
DSLAM
120
DHCP
SERVER
CPE
110
160
MOBILE
CONFIGURATION
UNIT

FIG. 1

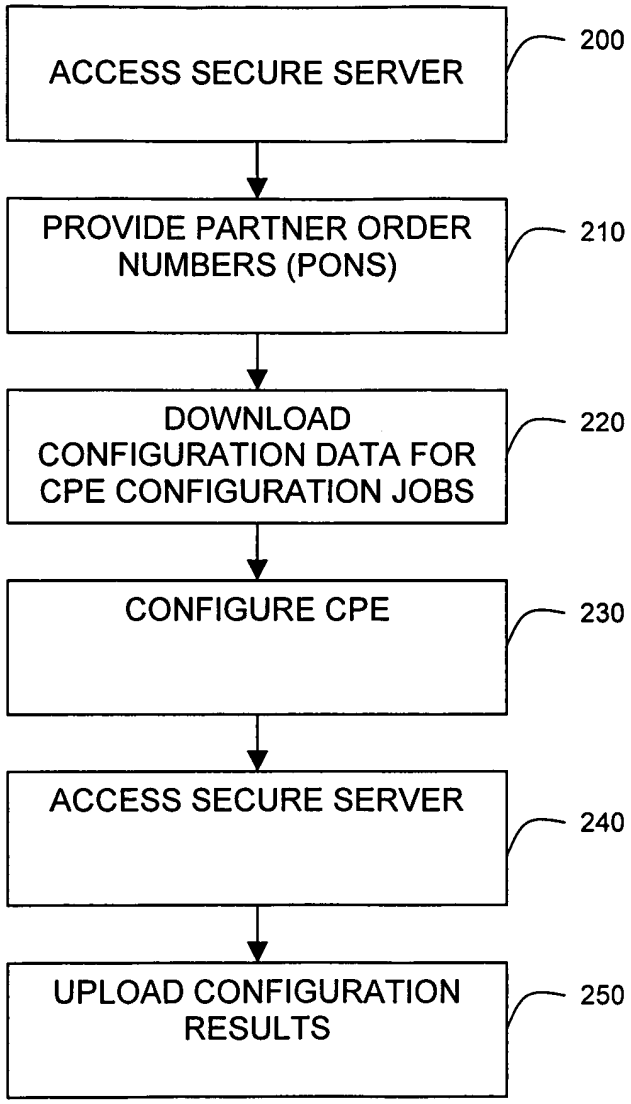

ACCESS SECURE SERVER
200
PROVIDE PARTNER ORDER NUMBERS (PONS)
210
DOWNLOAD CONFIGURATION DATA FOR CPE CONFIGURATION JOBS
220
CONFIGURE CPE
230
ACCESS SECURE SERVER
240
UPLOAD CONFIGURATION RESULTS
250

FIG. 2

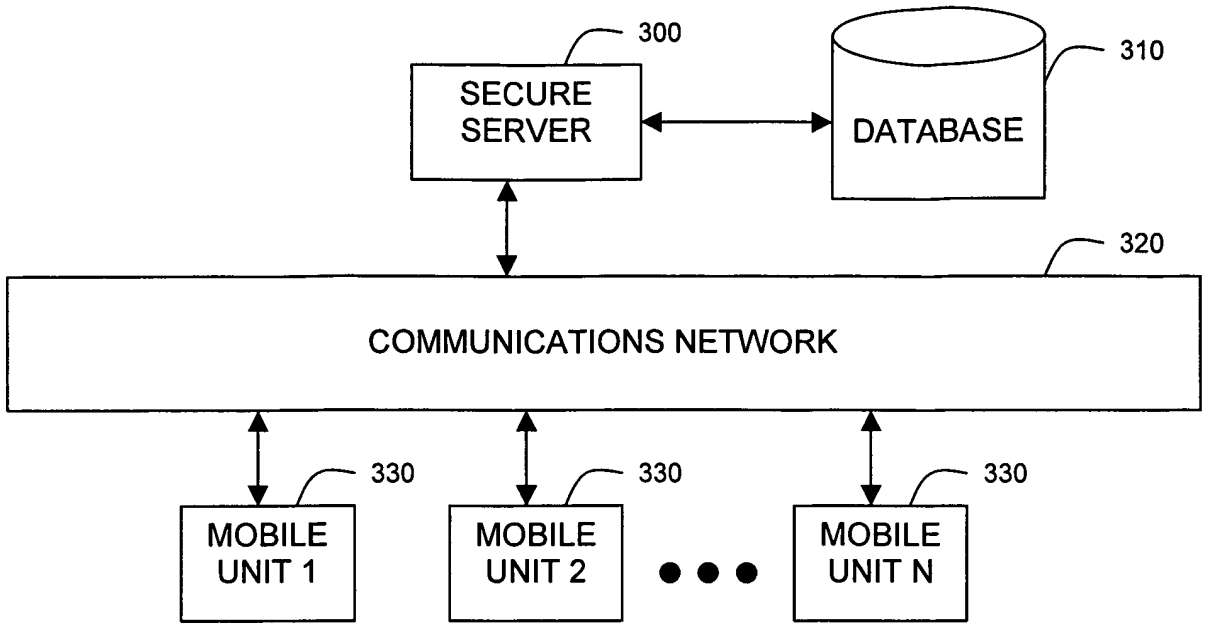

300
SECURE SERVER
310
DATABASE
320
COMMUNICATIONS NETWORK
330
MOBILE UNIT 1
330
MOBILE UNIT 2
330
MOBILE UNIT N

FIG. 3

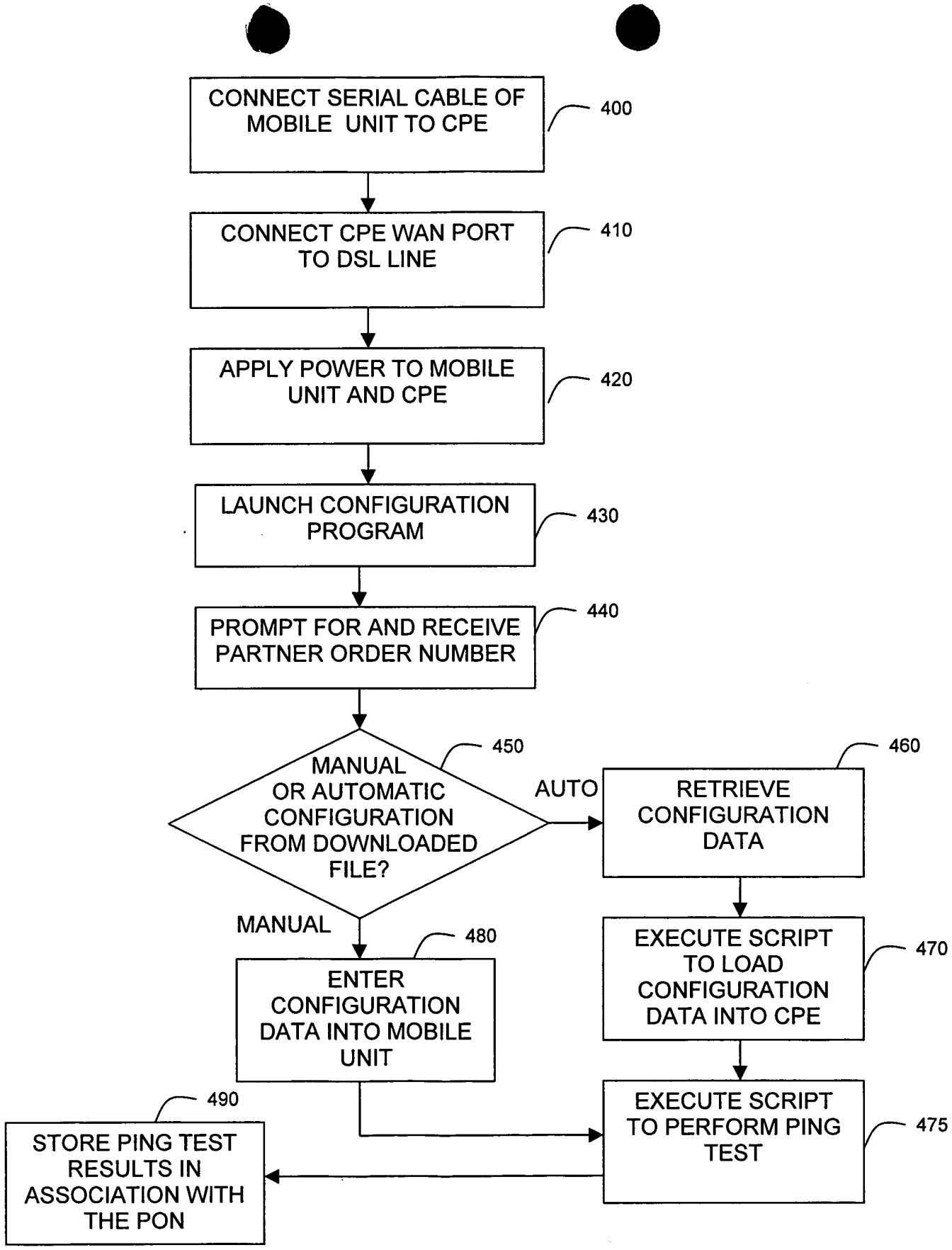
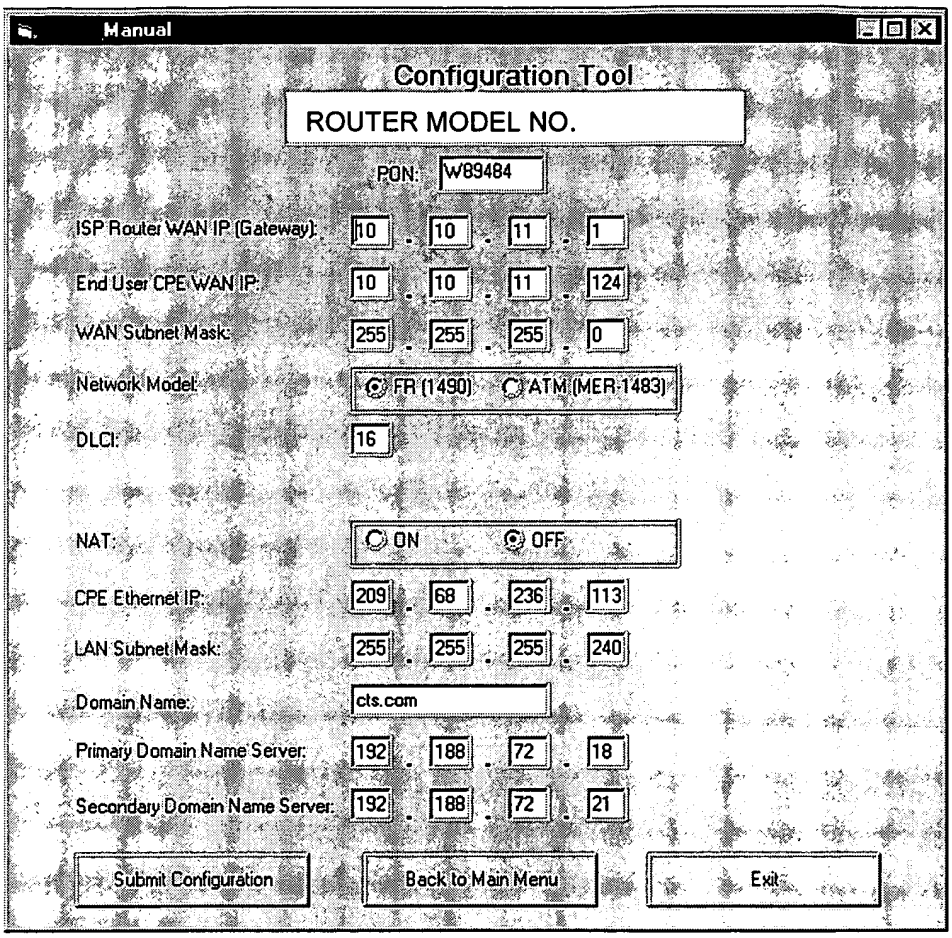

CONNECT SERIAL CABLE OF MOBILE UNIT TO CPE
400
CONNECT CPE WAN PORT TO DSL LINE
410
APPLY POWER TO MOBILE UNIT AND CPE
420
LAUNCH CONFIGURATION PROGRAM
430
PROMPT FOR AND RECEIVE PARTNER ORDER NUMBER
440
MANUAL OR AUTOMATIC CONFIGURATION FROM DOWNLOADED FILE?
450
AUTO
RETRIEVE CONFIGURATION DATA
460
MANUAL
ENTER CONFIGURATION DATA INTO MOBILE UNIT
480
EXECUTE SCRIPT TO LOAD CONFIGURATION DATA INTO CPE
470
EXECUTE SCRIPT TO PERFORM PING TEST
475
STORE PING TEST RESULTS IN ASSOCIATION WITH THE PON
490

FIG. 4


Manual
Configuration Tool
ROUTER MODEL NO.
PON: W89484
ISP Router WAN IP (Gateway): 10 . 10 . 11 . 1
End User CPE WAN IP: 10 . 10 . 11 . 124
WAN Subnet Mask: 255 . 255 . 255 . 0
Network Model: FR (1490) ATM (MER 1483)
DLCI: 16
NAT: ON OFF
CPE Ethernet IP: 209 . 68 . 236 . 113
LAN Subnet Mask: 255 . 255 . 255 . 240
Domain Name: cts.com
Primary Domain Name Server: 192 . 188 . 72 . 18
Secondary Domain Name Server: 192 . 188 . 72 . 21
Submit Configuration
Back to Main Menu
Exit

500

FIG. 5

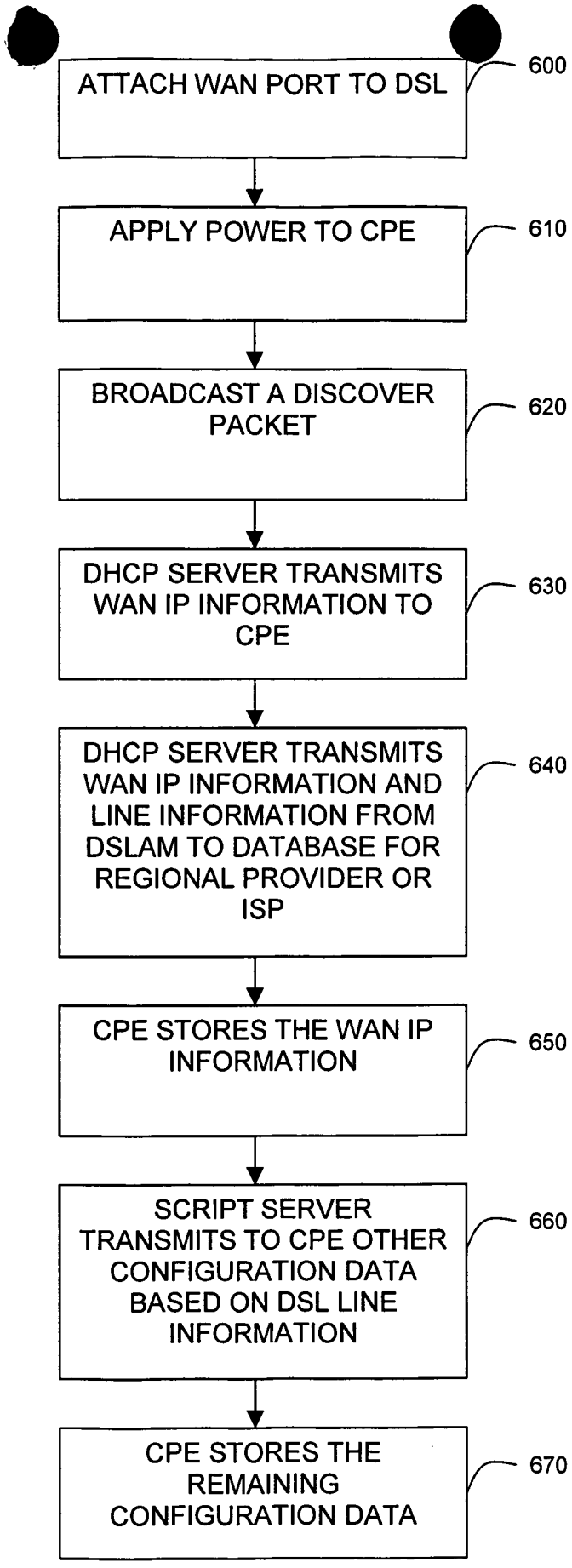

ATTACH WAN PORT TO DSL
600
APPLY POWER TO CPE
610
BROADCAST A DISCOVER PACKET
620
DHCP SERVER TRANSMITS WAN IP INFORMATION TO CPE
630
DHCP SERVER TRANSMITS WAN IP INFORMATION AND LINE INFORMATION FROM DSLAM TO DATABASE FOR REGIONAL PROVIDER OR ISP
640
CPE STORES THE WAN IP INFORMATION
650
SCRIPT SERVER TRANSMITS TO CPE OTHER CONFIGURATION DATA BASED ON DSL LINE INFORMATION
660
CPE STORES THE REMAINING CONFIGURATION DATA
670

FIG. 6